

Appl. No. 10/586,869
Amdt. dated July 16, 2008
Reply to Office action of April 24, 2008

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10. (Canceled)

11. **(Currently amended)** A fuel injector for injecting fuel into a combustion chamber of an internal combustion engine, the injector comprising,

an injector body, a nozzle holder, an injection valve member movably received in the nozzle holder, the injection valve member having a seat that opens or closes injection openings, a piezoelectric actuator, a first booster piston directly actuated by the piezoelectric actuator, and a second booster piston guided in the first **actuator booster** piston and connected to the injection valve member for varying **the** pressure inside a control chamber, **wherein the piezoelectric actuator is received inside a pressure chamber, embodied in the injector body, which chamber has an inlet for fuel at system pressure and wherein the control chamber is defined by a control chamber sleeve, an annular face of the first booster piston, an annular face of the second booster piston, and a plane face of the nozzle holder.**

Claim 12. (Canceled)

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Claim 13. (Canceled)

Claim 14. (Canceled)

15. (Currently amended) The fuel injector as recited in claim [[13]] 11, the control chamber sleeve is guided on the first booster piston and is acted upon via a compression spring.

Claim 16. (Canceled)

17. (Currently amended) The fuel injector as recited in claim [[13]] 11, wherein the control chamber is sealed off from the pressure chamber via a bite edge that cooperates with the plane face of the nozzle holder.

Claim 18. (Canceled)

19. (Currently amended) The fuel injector as recited in claim [[16]] 15, wherein the control chamber is sealed off from the pressure chamber via a bite edge that cooperates with the plane face of the nozzle holder.

20. **(Previously presented)** The fuel injector as recited in claim 11, further comprising a hydraulic chamber between the first booster piston and the second booster piston, which hydraulic chamber communicates hydraulically, via a compensation bore, with the pressure chamber inside the injector body.

21. **(Currently amended)** The fuel injector as recited in claim 20, further comprising a spring element resting against a contact face and received inside the hydraulic chamber, the spring element urging the injection valve member in the closing direction.

22. **(Currently amended)** The fuel injector as recited in claim 11, further comprising a nozzle chamber in the nozzle holder surrounding the injection valve member, a nozzle chamber inlet branching off from the pressure chamber and connecting the pressure chamber with the nozzle chamber.

23. **(Currently amended)** The fuel injector as recited in claim 11, wherein the guidance of the injection valve member is guided inside the nozzle holder ~~is effected in by~~ a guide portion and inside the injector body by the booster pistons.

24. **(Currently amended)** The fuel injector as recited in claim [[11]] 21, wherein the hydraulic chamber, which communicates with the pressure chamber via a compensation bore, comprises a contact face for the spring element, which contact face is braced in a recess of

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the second booster piston, which piston has a first annular face that defines the hydraulic chamber.